

Amendments to the Specification

Please replace the paragraph beginning at page 6, line 25 with the following amended paragraph.

Depending on the properties of the selected material and/or their deposition states, the nature of the detection surface 40 may enhance or retard deposition and either of those results may be desired based on a wide variety of factors. In some instances, the material or materials exposed on the detection surface 40 can affect deposition of the gas phase material. In one illustrative example, gaseous ruthenium oxide preferentially deposits on polypropylene and, as a result, it may be preferred that the detection surface include at least some polypropylene ~~id~~ if ruthenium oxide is to be detected.

Please replace the paragraph beginning at page 9, line 9 with the following amended paragraph.

If gas phase ruthenium tetraoxide escapes from the CVD system 460, it will typically form ruthenium oxide by oxidation reduction upon contact with the detection surface 440 of the sensor 410. In the case of ruthenium oxide, the detection surface 440 may include exposed polymeric materials or glass. ~~On~~ One example of a useful polymer on which ruthenium oxide may be preferentially deposited is polypropylene, thereby potentially enhancing detection of any gas phase ruthenium oxide. The deposited film or coating is electrically conductive and, as a result, a change in the conductivity of the detection surface 440 between the electrodes 420 and 430 can be used to indicate the presence of ruthenium oxide gas in the area of the sensor 410, thereby alerting personnel in the area or those monitoring an unoccupied area of a potential hazard.